



Radiation Site Notes

James Johnson to: Don Lininger, Randy Schademann, Megan Brunkhorst

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For your files:

Thanks for the help and oversight.



SUPRRadiumSite03232009 tripreport.doc

James A. Johnson, MPH

"Today is a good day to live"



Date: Tuesday, March 31, 2009
To: Randy Schademann, Don Lininger, Megan Brunkhorst
From: James Johnson
Subject: Site Removal Assessments at Standard Products, standard Precision, & Laray (B & D Instruments)

Radiation - Standard Products Site

SUPR & Tetra tech staff conducted radiation site assessment activities using a Ludlum Model 192 microR meter. S/N 199675 last calibrated 10 Oct 2008. I surveyed the entire site and background ranged between 10 – 20 microR / hour. I identified three hot areas (area above 3x background). Area 1 is found near the southeast corner of the site, west of the railroad tracks and north of Gilbert Street. The highest reading was 150 micro R / hour. Area 2 is near the west central portion of the site, east of and running parallel to the alleyway between Gilbert & Indianapolis Streets. The highest reading was 100 micro R / hour. Area 3 is near the east central portion of the site, west of and running parallel to the railroad tracks. The highest reading was 150 micro R / hour. The area inside the building was found to have high readings as well. I sent Don photos of the area.

Radiation - Standard Precision (Leading Technology Composites Plant II)

SUPR staff conducted radiation site assessment activities using a Ludlum Model 192 microR meter. S/N 199675 last calibrated 10 Oct 2008. I surveyed the entire site and background ranged between 8 – 12 microR / hour. I also utilized the Ludlum Model 2241 w/ a 44-10 probe and background for it ranged from 8 – 15 kC/m. I identified three hot areas (area above 3x background). Area 1 is found next to a chemical storage building, in the grassy area just south of the building. Readings ranged from 20 – 150 micro R/hour with the Ludlum 192 and 40 – 300 kC/m with the Ludlum 2241 over the entire area. Area 2 is found outside and to the south of the Standard Precision building, along the water culvert, that runs along the south perimeter property fence. The area was surveyed with the Ludlum model 2241 and any area identified greater than 15 kC/m was marked. The area marked and surveyed was approx 26 yards long by 8 yards wide. No micro r readings were taken in this area. Area 3 is found inside the Standard Precision building, near the truck / dock ramp door on the south side of the building. It was noted that this is the approximate location where the radium dial stripping and painting operations took place. The floor is made of concrete and this area is approx 8 feet long by 4 feet wide. The reading taken by the Ludlum Model 192 micro R meter ranged from 50 – 200 micro R / hour over this area. I sent Megan photos of the area.

LaRay Site (formerly B & D Instruments)

SUPR & Tetra tech staff SUPR staff conducted radiation site assessment activities using a Ludlum Model 192 microR meter (S/N 199675 last calibrated 10 Oct 2008). We surveyed the entire site and background ranged between 10 – 15 microR / hour. We also utilized the Ludlum Model 2241 w/ a 44-10 probe and background ranged from 8 – 10 kC/m. No hot areas (area above 3x background) were identified inside the LaRay building at that time. However, there was one area outside of the building that was “hot”. The survey conducted with the meters as well as the RAT found several “hot spots” outside the LaRay building site. The “hot spots” were found along the west wall, in an area approx 10 yards long by 10 yards wide. The reading taken by the

Ludlum Model 192 micro R meter ranged from 50 – 300 micro R / hour over this area. I sent Randy photos of the area.

Misc items

Overall, the activities taken on site included overseeing START contractors, utilization of the RAT system, area and site surveys of the three (30 sites, screening and assessment of indoor facilities for the general public concerns, coordination with the responsible parties, GPS / GIS surveys and site mapping and overall mentoring conducted by the senior OSC's (Randy & Don - thanks).

The EPERMs, located at the Guadalupe Clinic, were taken down on Friday, March 27, 2009 @ 0909 hours for S/N SDK324 (Nurses Station) and @ 0915 hours for S/N SEU464 (NW corner of the Cafeteria).